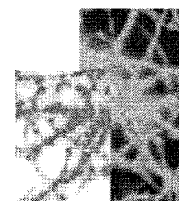


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Synaptobrevin-2/VAMP-2

Major vesicle protein involved in fusion

Fact Sheet

Mouse monoclonal antibody Cl 69.1

Purified IgG, unlabeled Cat. No. 104 211	50 µg IgG lyophilized, affinity-purified on FastMabs AD. Add 50 µl H ₂ O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store frozen until use.
Purified IgG, fluorescence-labeled Cat. No. 104 211C3	50 µg IgG lyophilized, affinity-purified on FastMabs AD. Fluorescence labeled with Oyster [®] 550. Rabbit serum albumin was added for stabilization. Add 50 µl H ₂ O to get a 1mg/ml solution of antibody in PBS. Add 1:1 (v/v) glycerol, then aliquot and store at -20°C until use. Do not store lyophilized! <i>Avoid bright light when working with the antibody to minimize photo bleaching of the fluorescent dye.</i>
Applications	Immunoblotting: 1 : 10 000 up to 1 : 100 000 (AP staining; apparent MW: 18 kDa Western blot) Immunoprecipitation: yes (details see remarks) Immunocytochemistry: 1 : 1000 image Immunohistochemistry: yes, works well with paraffin embedded tissues.
Specificity	Specific for Synaptobrevin 2/VAMP 2 (the predominant isoform in the CNS). No cross reactivity with Synaptobrevin/VAMP 1 or cellubrevin. Recognizes rat, mouse, hamster, human. No signal in chicken.
Isotype	IgG1
Clone	69.1
Antigen	Synthetic peptide (SATAATVPPAAPAGEG) corresponding to residues 2-17 of Synaptobrevin 2 (e.g., in rat) coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue.
	This antibody quantitatively precipitates synaptobrevin 2/VAMP 2 from detergent extracts regardless of

Remarks	whether the protein is associated with other SNAREs or with synaptophysin. Should be considered as general marker for nerve terminals in the CNS, as alternative/complement to the established markers <u>synaptophysin</u> (Cat. No. 101 011) and <u>synapsin</u> (Cat. No. 106 021). Although the epitope is still present in the Botulinumtoxin B cleavage product (aa 1-76), it is not recognized by this antibody for unknown reasons.
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Rabbit antiserum

Cat. No. 104 202	200 μ l lyophilized serum. For reconstitution add 200 μ l H ₂ O. After reconstitution aliquot serum and store frozen until use.
applications	Immunoblotting: 1 : 1000 up to 1 : 10 000 (AP staining; apparent MW: 18 kDa, <u>Western blot</u>) Immunoprecipitation: yes Immunocytochemistry: 1 : 1000 Immunohistochemistry: not tested
Specificity	Recognizes rat, mouse, hamster, human. No signal in chicken. Specific for VAMP 2, no cross-reactivity with VAMP 1 and VAMP 3.
Antigen	Synthetic peptide (SATAATVPPAAPAGEG) corresponding to residues 2-17 of Synaptobrevin 2 (e.g., in rat) coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue.
Remarks	This antiserum recognizes the Botulinumtoxin B cleavage product (aa 1-76) with reduced affinity. The sensitivity is sufficient for the detection of cleaved recombinant protein. For analysis of toxin treated tissue homogenates cat. no. 104 203 is recommended.

Affinity purified polyclonal antibody

Cat. No. 104 203	50 μ g lyophilized antibody. For reconstitution add 50 μ l H ₂ O to get a 1 mg/ml solution in PBS. Rabbit serum albumin was added for stabilization. After reconstitution aliquot serum and store frozen until use.
Applications	Immunoblotting: 1 : 1000 <u>Western blot</u> Immunoprecipitation: not tested Immunocytochemistry: not tested Immunohistochemistry: not tested
Specificity	Cross-reacts with VAMP 1 and VAMP 3. Antigen identical in rat, mouse, human.
Antigen	Cytoplasmic part (aa 1 - 81) of rat cellubrevin. The complete antigen was used for affinity purification
Remarks	This antibody is able to detect the tetanus and Botulinum B toxin cleavage product in toxin treated tissue homogenates.

Control peptide for the antiserum

Cat. No. 104-2P	100 µg lyophilized peptide. <i>Store at -20°C.</i> For reconstitution add 100 µl H ₂ O to get a 1 mg/ml solution of peptide in PBS. Then aliquot and store frozen until use.
Recommended dilution	Optimal concentrations should be determined by the end-user.
Remarks	This control protein consists of the synthetic peptide (SATAATVPPAAPAGEG) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer of the serum and on the affinity of the antibody to the antigen.

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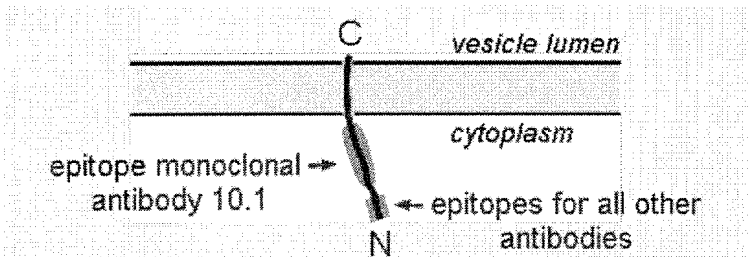


Products

Synaptobrevin-2/VAMP-2
Major vesicle protein involved in fusion

Available Products

Article No.	Antigen	Product	Cell Line	Subtype	Quantity	Prices	
						US \$	Europe €
104 211	Synaptobrevin 2/VAMP 2	mouse monoclonal, purif. IgG, unlabeled	69.1	IgG1	50 µg	395.00	315.00
104 211C3		mouse monoclonal, purif. IgG, fluorescence-l.	69.1	IgG1	50 µg	445.00	365.00
104 202		rabbit antiserum			200 µl	300.00	235.00
104 203		rabbit polyclonal, affinity purified			50 µg	430.00	340.00
104-2P		control peptide for the antiserum			100 µg	85.00	65.00



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